

## **ABSTRACT**

Systems and methods of determining a plurality of cost/utility estimates are used to evaluate the cost effectiveness of providing growth hormone replacement therapy to individuals having growth hormone deficiency. In an exemplary embodiment of the invention, the system has executable instructions for predicting the development of one or more morbidities in an individual having growth hormone deficiency over a simulated life cycle; and for determining and outputting a plurality of cost/utility estimates which may be used by a researcher to evaluate the cost-effectiveness of providing growth hormone replacement therapy.

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